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GEOMAGNETIC DATA: BANGKOK, THAILAND
APRIL-JUNE 1966

Douglas J. Barnes, et al

Stanford Research Institute
Menlo Park, California

June 1967

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Geophysical Data Report

**GEOMAGNETIC DATA
BANGKOK, THAILAND — APRIL-JUNE 1966**

By: DOUGLAS J. BARNES JOHN CHAPMAN

Prepared for:

U.S. ARMY ELECTRONICS COMMAND
FORT MONMOUTH, NEW JERSEY 07703

CONTRACT DA-36-039 AMC-00040(E)
ORDER NO. 5384-PM-63-91

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THAI-U.S. MILITARY RESEARCH AND DEVELOPMENT CENTER
SUPREME COMMAND HEADQUARTERS
BANGKOK, THAILAND



**STANFORD RESEARCH INSTITUTE
MENLO PARK, CALIFORNIA**



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CONTENTS

| | |
|---------------------------------|-----|
| LIST OF ILLUSTRATIONS | iii |
| LIST OF TABLES | iii |
| I INTRODUCTION | 1 |
| II DISCUSSION | 2 |
| DISTRIBUTION LIST | 12 |

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ILLUSTRATIONS

| | | |
|--------|---|----|
| Fig. 1 | Monthly Mean Total Geomagnetic Field Intensity (F) at Bangkok--April 1966. | 6 |
| Fig. 2 | Monthly Mean Total Geomagnetic Field Intensity (F) at Bangkok--May 1966. | 7 |
| Fig. 3 | Monthly Mean Total Geomagnetic Field Intensity (F) at Bangkok--June 1966 | 8 |
| Fig. 4 | Magnetograms for the Three Most Disturbed Days in April 1966 (2nd, 13th, and 22nd) | 9 |
| Fig. 5 | Magnetograms for the Three Most Disturbed Days in May 1966 (26th, 27th, and 31st) | 10 |
| Fig. 6 | Magnetograms for the Three Most Disturbed Days in June 1966 (1st, 23rd, and 25th) | 11 |

TABLES

| | | |
|-----------|---|---|
| Table I | Geomagnetic Site at Bangkok, Thailand. | 1 |
| Table II | Mean Hourly Total Geomagnetic Field Intensity (F) at Bangkok--April 1966 | 3 |
| Table III | Mean Hourly Total Geomagnetic Field Intensity (F) at Bangkok--May 1966 | 4 |
| Table IV | Mean Hourly Total Geomagnetic Field Intensity (F) at Bangkok--June 1966. | 5 |

I INTRODUCTION

Geomagnetic observations are being carried out at the Electronics Laboratory of the Military Research and Development Center (MRDC), a joint Thailand-United States organization at Bangkok, Thailand. The cooperation and participation of the staff members of the Thailand Ministry of Defense and the support of the United States Advanced Research Projects Agency and the United States Army Electronics Laboratory have made it possible for the data presented in this report to be accumulated.

The information about the site in Table I is pertinent.

Table I
GEOMAGNETIC SITE AT BANGKOK, THAILAND

| Geographic | | Geomagnetic | | DIP * | Declination * |
|------------|-----------|-------------|-----------|---------|---------------|
| Latitude | Longitude | Latitude | Longitude | | |
| 13.72°N | 100.57°E | 2.5°N | 169.83°E | 10°27'N | 0°10'W |

The equipment at the site consists of the following:

Instrument: Varian V-4938A Rubidium Magnetometer

Full-Scale Sensitivity: 100γ ($10^5\gamma = 1$ gauss)

Chart Speed: One inch per hour

Time Scale: Local time GMT + 7 hours

Range: Step-Variable, in 90γ increments.

* Values obtained from the Geodesy Department, Ministry of Defense, Bangkok, Thailand.

II DISCUSSION

The data contained in this Bulletin are obtained with a Varian V-4938A rubidium magnetometer. The data base is available in two forms: (1) the continuous magnetogram recording and (2) a digital printout every 2 minutes, both measuring the total geomagnetic field intensity (F).

The hourly mean values of the total geomagnetic field intensity are given in Tables II through IV and are obtained by calculation from the digital data. The tabulation is for local mean time (GMT + 7 hours). The monthly mean values vs. local time of day are given in the bottom line of the tables and plotted in Figs. 1 through 3.

The Varian chart recorder used with the V-4938A magnetometer has an automatic range-changing system that shifts the range of the recording by 90γ when either chart extremity is reached. In Fig. 4 et seq. the range of F shown at the left of the chart is for the beginning of the day.

Magnetograms with a mean local time scale (GMT + 7 hours), showing the three most disturbed days in each month are given in Figs. 4 through 6.

Table II

MEAN HOURLY TOTAL GEOMAGNETIC FIELD INTENSITY (F) AT BANGKOK -- April 1966

| * Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 765 | 766 | 767 | 767 | 770 | 774 | 775 | 780 | 790 | 811 | 820 | 821 | 806 | 791 | 785 | 781 | 780 | 789 | 787 | 781 | 783 | 743 | 735 | 713 |
| 2 | 721 | 733 | 730 | 745 | 766 | 766 | 754 | 755 | 785 | 801 | 811 | 815 | 805 | 791 | 756 | 757 | 754 | 753 | 751 | 758 | 757 | 760 | 761 | 763 |
| 3 | 762 | 761 | 760 | 764 | 765 | 762 | 761 | 767 | 785 | 801 | 811 | 815 | 805 | 791 | 732 | 732 | 732 | 732 | 732 | 732 | 732 | 732 | 732 | 732 |
| 4 | 772 | 771 | 771 | 771 | 773 | 781 | 776 | 776 | 788 | 803 | 830 | 832 | 824 | 810 | 781 | 774 | 764 | 766 | 772 | 776 | 776 | 775 | 776 | 774 |
| 5 | 776 | 769 | 733 | 688 | 775 | 773 | 773 | 773 | 781 | 803 | 819 | 831 | 833 | 817 | 799 | 784 | 775 | 774 | 776 | 768 | 756 | 740 | 738 | 729 |
| 6 | 725 | 702 | 775 | 776 | 781 | 778 | 779 | 778 | 774 | 797 | 810 | 816 | 815 | 805 | 793 | 784 | 781 | 775 | 768 | 755 | 740 | 724 | 731 | 716 |
| 7 | 701 | 685 | 712 | 772 | 770 | 770 | 777 | 780 | 781 | 794 | 795 | 796 | 795 | 790 | 786 | 780 | 773 | 773 | 767 | 756 | 749 | 744 | 736 | 728 |
| 8 | 721 | 762 | 766 | 772 | 769 | 767 | 767 | 770 | 786 | 797 | 813 | 821 | 815 | 807 | 799 | 786 | 773 | 771 | 769 | 760 | 748 | 738 | 743 | 732 |
| 9 | 730 | 723 | 693 | 694 | 695 | 708 | 702 | 702 | 701 | 813 | 832 | 829 | 821 | 814 | 800 | 790 | 783 | 777 | 774 | 767 | 759 | 761 | 755 | 753 |
| 10 | 775 | 775 | 774 | 775 | 775 | 776 | 777 | 783 | 793 | 812 | 828 | 832 | 828 | 821 | 812 | 799 | 792 | 784 | 781 | 774 | 768 | 758 | 754 | 752 |
| 11 | 741 | 758 | 754 | 743 | 733 | 718 | 782 | 782 | 792 | 805 | 820 | 827 | 828 | 821 | 812 | 799 | 792 | 784 | 781 | 776 | 768 | 754 | 750 | 752 |
| 12 | 775 | 780 | 780 | 782 | 783 | 784 | 785 | 794 | 800 | 815 | 831 | 836 | 834 | 833 | 820 | 802 | 787 | 783 | 781 | 774 | 767 | 761 | 760 | 750 |
| 13 | 782 | 783 | 779 | 788 | 789 | 789 | 790 | 798 | 790 | 828 | 838 | 842 | 831 | 836 | 821 | 814 | 792 | 775 | 755 | 722 | 715 | 717 | 724 | 723 |
| 14 | 718 | 716 | 712 | 726 | 754 | 758 | 763 | 766 | 783 | 801 | 810 | 810 | 806 | 796 | 787 | 772 | 761 | 754 | 747 | 737 | 736 | 749 | 756 | 754 |
| 15 | 760 | 763 | 772 | 772 | 773 | 771 | 772 | 780 | 795 | 821 | 834 | 840 | 826 | 817 | 800 | 782 | 773 | 763 | 769 | 769 | 769 | 768 | 766 | 768 |
| 16 | 772 | 775 | 776 | 777 | 778 | 780 | 777 | 774 | 784 | 799 | 816 | 826 | 825 | 813 | 806 | 797 | 789 | 785 | 782 | 780 | 783 | 786 | 783 | 785 |
| 17 | 788 | 786 | 788 | 792 | 790 | 791 | 793 | 796 | 804 | 822 | 842 | 846 | 837 | 827 | 816 | 801 | 779 | 778 | 780 | 779 | 774 | 776 | 779 | 776 |
| 18 | 777 | 777 | 781 | 782 | 782 | 782 | 782 | 787 | 797 | 814 | 832 | 838 | 832 | 820 | 809 | 795 | 789 | 786 | 783 | 782 | 781 | 783 | 781 | 782 |
| 19 | 782 | 784 | 785 | 785 | 787 | 787 | 790 | 797 | 810 | 828 | 846 | 852 | 842 | 820 | 800 | 788 | 781 | 783 | 787 | 789 | 788 | 787 | 788 | 785 |
| 20 | 788 | 789 | 790 | 791 | 790 | 792 | 796 | 799 | 808 | 842 | 842 | 849 | 847 | 834 | 804 | 781 | 770 | -- | -- | -- | -- | -- | -- | -- |
| 21 | -- | -- | -- | -- | -- | -- | -- | -- | 794 | 800 | 807 | 809 | 813 | 811 | 802 | 788 | 778 | 781 | 783 | 782 | 782 | 781 | 780 | 779 |
| 22 | 777 | 779 | 780 | 782 | 786 | 793 | 795 | 790 | 808 | 821 | 856 | 852 | 850 | 843 | 830 | 785 | 777 | 771 | 766 | 756 | 748 | 734 | 746 | 770 |
| 23 | 776 | 773 | 769 | 771 | 775 | 776 | 779 | 796 | 813 | 823 | 855 | 783 | 797 | 788 | 770 | 775 | 770 | 773 | 770 | 771 | 769 | 771 | 782 | 789 |
| 24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 827 | 820 | 801 | -- | 775 | 775 | 778 | 780 | 779 | 782 | 779 | 780 | 779 |
| 25 | 779 | 777 | 787 | 785 | 782 | 783 | 784 | 788 | 796 | 819 | 829 | 837 | 833 | 824 | 811 | 799 | 789 | 783 | 781 | 779 | 780 | 759 | 780 | 781 |
| 26 | 779 | 778 | 780 | 784 | 784 | 786 | 787 | 792 | 805 | 825 | 837 | 840 | 811 | 819 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 28 | 789 | 791 | 794 | 796 | 795 | 797 | 798 | 804 | 818 | 827 | 835 | 836 | 823 | 803 | 795 | 793 | 784 | 778 | 780 | 782 | 783 | 784 | 784 | 781 |
| 29 | 780 | 786 | 783 | 781 | 780 | 780 | 784 | 787 | 798 | 813 | 820 | 817 | 807 | 797 | 785 | 780 | 781 | 780 | 772 | 764 | 761 | 763 | 765 | 771 |
| 30 | 775 | 774 | 778 | 789 | 781 | 779 | 780 | 785 | 799 | 814 | 799 | 802 | 797 | 800 | -- | -- | 784 | 773 | 771 | 765 | 755 | 738 | 732 | 735 |
| 31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mean | 761 | 763 | 764 | 769 | 773 | 774 | 777 | 781 | 792 | 812 | 826 | 826 | 822 | 810 | 798 | 796 | 779 | 776 | 774 | 769 | 763 | 761 | 762 | 761 |

* LOCAL TIME = GMT + 7 HOURS.

TABULATED VALUES ARE THE LAST THREE DIGITS ONLY OF THE TOTAL FIELD STRENGTH (F) IN γ .
TO OBTAIN TOTAL FIELD STRENGTH IN γ ADD 41,000

98-4240-

Table III
MEAN HOURLY TOTAL GEOMAGNETIC FIELD INTENSITY (F) AT BANGKOK -- May 1963

| Day | Hr | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 729 | 742 | 746 | 758 | 763 | 769 | 769 | 769 | 769 | 793 | 790 | 793 | 775 | 783 | 777 | 770 | 753 | 765 | 761 | 761 | 763 | 758 | 759 | 760 | 760 |
| 2 | 760 | 764 | 763 | 765 | 761 | 764 | 773 | 766 | 773 | 766 | 805 | 820 | 808 | 795 | 773 | 764 | 749 | 730 | 745 | 750 | 751 | 752 | 750 | 746 | 746 |
| 3 | 751 | 760 | 757 | 767 | 773 | 769 | 769 | 769 | 776 | 785 | 798 | 801 | 804 | 795 | 785 | 777 | 775 | 770 | 773 | 777 | 778 | 778 | 777 | 771 | 770 |
| 4 | 772 | 769 | 769 | 765 | 769 | 767 | 770 | 763 | 780 | 789 | 790 | 790 | 797 | 791 | 792 | 762 | 763 | 754 | 749 | 740 | 752 | 759 | 769 | 766 | 760 |
| 5 | 761 | 773 | 768 | 763 | 767 | 769 | 767 | 772 | 782 | 796 | 815 | 815 | 824 | 821 | 810 | 804 | 794 | 784 | 780 | 775 | 777 | 773 | 771 | 770 | 770 |
| 6 | 767 | 782 | 773 | 770 | 766 | 770 | 775 | 782 | 792 | 805 | 814 | 810 | 804 | 801 | 804 | 787 | 776 | 769 | 760 | 764 | 770 | 770 | 771 | 772 | 775 |
| 7 | 775 | 772 | 773 | 773 | 774 | 795 | 780 | 784 | 799 | 812 | 821 | 821 | 823 | 815 | 809 | 800 | 790 | 782 | 774 | 780 | 779 | 777 | 776 | 775 | 772 |
| 8 | 777 | 774 | 775 | 775 | 782 | 784 | 787 | 792 | 808 | 827 | 840 | 837 | 831 | 821 | 812 | 812 | 800 | 790 | 794 | 787 | 780 | 776 | 780 | 783 | 782 |
| 9 | 781 | 779 | 775 | 768 | 779 | 774 | 775 | 783 | 797 | 815 | 823 | 820 | 810 | 799 | 801 | 803 | 802 | 795 | 785 | 776 | 777 | 773 | 773 | 773 | 777 |
| 10 | 777 | 779 | 777 | 778 | 780 | 780 | 784 | 787 | 800 | 817 | 825 | 830 | 827 | 819 | 809 | 802 | 792 | 786 | 799 | 797 | 797 | 797 | 800 | 800 | 801 |
| 11 | 801 | 796 | 799 | 797 | 798 | 797 | 795 | 799 | 812 | 824 | 835 | 845 | 845 | 845 | 840 | 827 | 827 | 824 | 817 | 816 | 801 | 778 | 779 | 791 | 789 |
| 12 | 795 | 798 | 796 | 790 | 796 | 791 | 802 | 805 | 805 | 829 | 832 | 835 | 827 | 817 | 816 | 805 | 794 | 769 | 786 | 781 | 781 | 776 | 773 | 773 | 779 |
| 13 | 782 | 784 | 785 | 785 | 786 | 784 | 785 | 795 | 802 | 812 | 819 | 819 | 816 | 827 | 821 | 805 | 779 | 756 | 763 | 766 | 768 | 770 | 775 | 773 | 776 |
| 14 | 779 | 771 | 780 | 780 | 781 | 784 | 790 | 804 | 810 | 826 | 842 | 845 | 834 | 809 | 800 | 792 | 790 | 783 | 783 | 786 | 786 | 785 | 786 | 788 | 788 |
| 15 | 786 | 789 | 786 | 786 | 785 | 786 | 791 | 796 | 810 | 823 | 843 | 845 | 835 | 816 | 800 | 791 | 788 | 785 | 785 | 784 | 782 | 780 | 781 | 781 | 781 |
| 16 | 782 | 782 | 781 | 782 | 783 | 783 | 784 | 786 | 800 | 808 | 820 | 820 | 823 | 818 | 809 | 799 | 791 | 789 | 786 | 790 | 786 | 775 | 776 | 780 | 779 |
| 17 | 776 | 778 | 780 | 785 | 778 | 778 | 781 | 783 | 786 | 801 | 809 | 810 | 810 | 806 | 798 | 788 | 778 | 771 | 775 | 779 | 778 | 776 | 774 | 771 | 771 |
| 18 | 779 | 772 | 770 | 771 | 769 | 775 | 780 | 783 | 800 | 803 | 809 | 819 | 820 | 814 | 806 | 794 | 781 | 782 | 783 | 784 | 784 | 782 | 784 | 783 | 783 |
| 19 | 784 | 784 | 784 | 787 | 789 | 790 | 792 | 791 | 812 | 825 | 833 | 835 | 826 | 816 | 806 | 794 | 784 | 782 | 783 | 783 | 782 | 782 | 777 | 777 | 777 |
| 20 | 777 | 777 | 776 | 774 | 777 | 779 | 789 | 795 | 813 | 824 | 831 | 831 | 829 | 817 | 800 | 789 | 777 | 777 | 777 | 777 | 777 | 781 | 780 | 779 | 779 |
| 21 | 779 | 775 | 779 | 776 | 794 | 794 | 802 | 814 | 815 | 824 | 830 | 835 | 834 | 825 | 822 | 810 | 796 | 787 | 784 | 784 | 784 | 785 | 785 | 789 | 789 |
| 22 | 789 | 787 | 786 | 785 | 788 | 790 | 794 | 804 | 815 | 828 | 835 | 837 | 834 | 830 | 820 | 810 | 795 | 793 | 791 | 787 | 789 | 783 | 782 | 784 | 784 |
| 23 | 787 | 790 | 790 | 790 | 790 | 789 | 797 | 810 | 820 | 830 | 835 | 835 | 834 | 833 | 824 | 818 | 811 | 799 | 789 | 785 | 787 | 787 | 789 | 790 | 790 |
| 24 | 792 | 792 | 792 | 792 | 794 | 794 | 803 | 814 | 829 | 836 | 854 | 851 | 847 | 832 | 827 | 816 | 806 | 794 | 791 | 790 | 789 | 791 | 792 | 792 | 792 |
| 25 | 792 | 792 | 794 | 792 | 794 | 795 | 800 | 806 | 821 | 832 | 841 | 845 | 838 | 831 | 820 | 814 | 800 | 791 | 792 | 792 | 792 | 792 | 787 | 782 | 782 |
| 26 | 780 | 782 | 785 | 787 | 790 | 794 | 800 | 820 | 830 | 837 | 865 | 865 | 870 | 863 | 854 | 834 | 838 | 845 | 844 | | | | | | |
| 27 | | | | | | | | | | | | | | 928 | 825 | 814 | 812 | 812 | 813 | 816 | 815 | 815 | 817 | 818 | 818 |
| 28 | 820 | 822 | 824 | 824 | 827 | 832 | 830 | 832 | 837 | 846 | 848 | 848 | 850 | 857 | 850 | 847 | 846 | 834 | 831 | 833 | 840 | 836 | 832 | 834 | 834 |
| 29 | 835 | 836 | 842 | 840 | 840 | 842 | 847 | 847 | 853 | 860 | 866 | 866 | 878 | 876 | 874 | 869 | 857 | 848 | 845 | 842 | 842 | 838 | 837 | 840 | 844 |
| 30 | 845 | 846 | 847 | 848 | 847 | 845 | 846 | 850 | 860 | 865 | 874 | 882 | 886 | 884 | 872 | 859 | 844 | 840 | 845 | 845 | 852 | 851 | 852 | 850 | 850 |
| 31 | 849 | 846 | 861 | 850 | 843 | 840 | 842 | 843 | 860 | 870 | 887 | 874 | 874 | 878 | 878 | 859 | 802 | 800 | 773 | 809 | 819 | 809 | 816 | 815 | 816 |
| Mean | 787 | 789 | 790 | 789 | 791 | 792 | 796 | 802 | 813 | 826 | 835 | 835 | 837 | 832 | 821 | 811 | 802 | 793 | 789 | 792 | 792 | 790 | 790 | 790 | 789 |

* LOCAL TIME = GMT + 7 HOURS.

TABULATED VALUES ARE THE LAST THREE DIGITS ONLY OF THE TOTAL FIELD STRENGTH (F) IN γ .
TO OBTAIN TOTAL FIELD STRENGTH IN γ ADD 41,000

DB-4240-

Table IV

MEAN HOURLY TOTAL GEOMAGNETIC FIELD INTENSITY (F) AT BANGKOK -- June 1966

| * Day | Hr | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|----------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | | 816 | 829 | 840 | 839 | 832 | 826 | 823 | 844 | 843 | 847 | 853 | 856 | 857 | 850 | 824 | 821 | 816 | 821 | 830 | 832 | 830 | 830 | 831 | 834 |
| 2 | | 836 | 836 | 836 | 841 | 840 | 832 | 843 | 850 | 860 | 872 | 877 | 880 | 879 | 880 | 792 | 765 | 770 | 758 | 740 | 751 | 755 | 755 | 743 | 740 |
| 3 | | 747 | 747 | 857 | 750 | 751 | 754 | 777 | 775 | 785 | 784 | 791 | 795 | 800 | 801 | 791 | 783 | 775 | 772 | 766 | 764 | 765 | 764 | 770 | 781 |
| 4 | | 773 | 762 | 754 | 761 | 759 | 762 | 769 | 775 | 790 | 801 | 799 | 807 | 806 | 797 | 787 | 778 | 770 | 764 | 766 | 766 | 767 | 770 | 769 | 769 |
| 5 | | 766 | 768 | 768 | 770 | 770 | 776 | 785 | 790 | 809 | 816 | 816 | 812 | 805 | 797 | 795 | 793 | 786 | 786 | 762 | 775 | 784 | 785 | 784 | 781 |
| 6 | | 781 | 782 | 781 | 784 | 781 | 784 | 784 | 784 | 791 | 804 | 815 | 815 | 814 | 809 | 796 | 792 | 789 | 787 | 779 | 777 | 772 | 776 | 773 | 775 |
| 7 | | 776 | 779 | 775 | 774 | 774 | 775 | 778 | 794 | 813 | 827 | 820 | 821 | 823 | 816 | 804 | 783 | 773 | 753 | 760 | 772 | 760 | 759 | 759 | 769 |
| 8 | | 765 | 763 | 767 | 770 | 779 | 776 | 778 | 780 | 783 | 785 | 800 | 815 | 831 | 831 | 814 | 798 | 712 | 754 | 759 | 765 | 765 | 767 | 767 | 769 |
| 9 | | 770 | 772 | 772 | 775 | 775 | 774 | 776 | 779 | 786 | 799 | 815 | 822 | 824 | 822 | 815 | 800 | 781 | 774 | 775 | 776 | 775 | 774 | 773 | 778 |
| 10 | | 779 | 782 | 779 | 778 | 775 | 780 | 779 | 786 | 794 | 804 | 808 | 819 | 820 | 812 | 807 | 801 | 788 | 785 | 787 | 786 | 784 | 780 | 771 | 782 |
| 11 | | 783 | 783 | 786 | 787 | 787 | 787 | 789 | 787 | 789 | 794 | 807 | 817 | 828 | 835 | 835 | 814 | 801 | 790 | 782 | 785 | 787 | 782 | 784 | 781 |
| 12 | | 778 | 782 | 784 | 783 | 792 | 791 | 795 | 798 | 804 | 810 | 822 | 827 | 812 | 812 | 800 | 790 | 783 | 776 | 773 | 757 | 756 | 756 | 760 | 767 |
| 13 | | 769 | 771 | 773 | 771 | 765 | 766 | 764 | 760 | 768 | 784 | 810 | 815 | 809 | 789 | 783 | 771 | 765 | 765 | 773 | 772 | 774 | 778 | 777 | 779 |
| 14 | | 779 | 780 | 779 | 777 | 780 | 780 | 783 | 787 | 795 | 807 | 815 | 818 | 820 | 810 | 795 | 776 | 769 | 760 | 762 | 764 | 767 | 770 | 769 | 770 |
| 15 | | 772 | 771 | 772 | 767 | 770 | 770 | 776 | 780 | 788 | 810 | 824 | 830 | 825 | 822 | 809 | 795 | 781 | 776 | 774 | 777 | 776 | 776 | 775 | 777 |
| 16 | | 780 | 778 | 771 | 781 | 780 | 775 | 778 | 790 | 795 | 818 | 830 | 827 | 825 | 817 | 805 | 793 | 782 | 773 | 776 | 780 | 776 | 775 | 765 | 771 |
| 17 | | 766 | 770 | 772 | 778 | 774 | 777 | 785 | 801 | 822 | 840 | 844 | 841 | 830 | 829 | 797 | 782 | 774 | 776 | 780 | 782 | 789 | 784 | 782 | 783 |
| 18 | | 781 | 781 | 778 | 775 | 771 | 776 | 780 | 787 | 799 | 808 | 816 | 817 | 816 | 810 | 795 | 789 | 781 | 780 | 780 | 785 | 784 | 791 | 793 | 795 |
| 19 | | 792 | 788 | 782 | 786 | 785 | 785 | 787 | 790 | 799 | 810 | 824 | 829 | 823 | 818 | 806 | 794 | 787 | 783 | 784 | 791 | 786 | 780 | 787 | 793 |
| 20 | | 794 | 793 | 788 | 782 | 785 | 785 | 790 | 798 | 804 | 815 | 820 | 822 | 821 | 793 | 783 | 772 | 768 | 772 | 775 | 780 | 776 | 772 | 767 | 766 |
| 21 | | 768 | 773 | 770 | 775 | 778 | 781 | 785 | 787 | 790 | 805 | 801 | 812 | 811 | 804 | 799 | 785 | 770 | 768 | 774 | 777 | 777 | 779 | 774 | 775 |
| 22 | | 778 | 778 | 777 | 778 | 780 | 780 | 781 | 791 | 804 | 814 | 829 | 834 | 826 | 808 | 796 | 784 | 774 | 768 | 772 | 775 | 773 | 778 | 779 | 778 |
| 23 | | 781 | 782 | 782 | 780 | 780 | 784 | 789 | 792 | 810 | 830 | 834 | 843 | 845 | 835 | 830 | 811 | 783 | 762 | 762 | 762 | 763 | 759 | 748 | 749 |
| 24 | | 742 | 744 | 741 | 745 | 760 | 761 | 784 | 793 | 801 | 815 | 830 | 827 | 829 | 832 | 829 | 820 | 794 | 790 | 785 | 790 | 790 | 795 | 792 | 793 |
| 25 | | 781 | 783 | 766 | 760 | 750 | 760 | 765 | 775 | 783 | 782 | 783 | 783 | 788 | 787 | 786 | 794 | 770 | 740 | 734 | 757 | 757 | 759 | 757 | 776 |
| 26 | | 762 | 760 | 757 | 757 | 757 | 768 | 773 | 783 | 787 | 799 | 806 | 806 | 804 | 808 | 793 | 785 | 781 | 773 | 772 | 769 | 766 | 758 | 764 | 779 |
| 27 | | 770 | 768 | 768 | 767 | 764 | 765 | 770 | 773 | 781 | 794 | 800 | 802 | 795 | 794 | 790 | 787 | 780 | 775 | 775 | 773 | 774 | 776 | 775 | 781 |
| 28 | | 779 | 776 | 780 | 776 | 782 | 780 | 783 | 783 | 792 | 800 | 810 | 820 | 820 | 827 | 818 | 805 | 792 | 778 | 779 | 784 | 783 | 784 | 789 | 784 |
| 29 | | 787 | 780 | 772 | 780 | 785 | 780 | 784 | 786 | 785 | 799 | 813 | 816 | 805 | 793 | 785 | 780 | 776 | 779 | 777 | 780 | 780 | 773 | 775 | 777 |
| 30 | | 778 | 777 | 777 | 779 | 779 | 782 | 790 | 793 | 796 | 802 | 807 | 809 | 805 | 792 | 789 | 779 | 770 | 774 | 775 | 776 | 776 | 774 | 773 | 775 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | | 776 | 778 | 780 | 778 | 778 | 778 | 774 | 790 | 798 | 809 | 817 | 821 | 820 | 814 | 803 | 791 | 780 | 774 | 773 | 776 | 776 | 775 | 774 | 776 |

DB-4240

* LOCAL TIME = GMT + 7 HOURS.

TABULATED VALUES ARE THE LAST THREE DIGITS ONLY OF THE TOTAL FIELD STRENGTH (F) IN γ .
TO OBTAIN TOTAL FIELD STRENGTH IN γ ADD 41,000

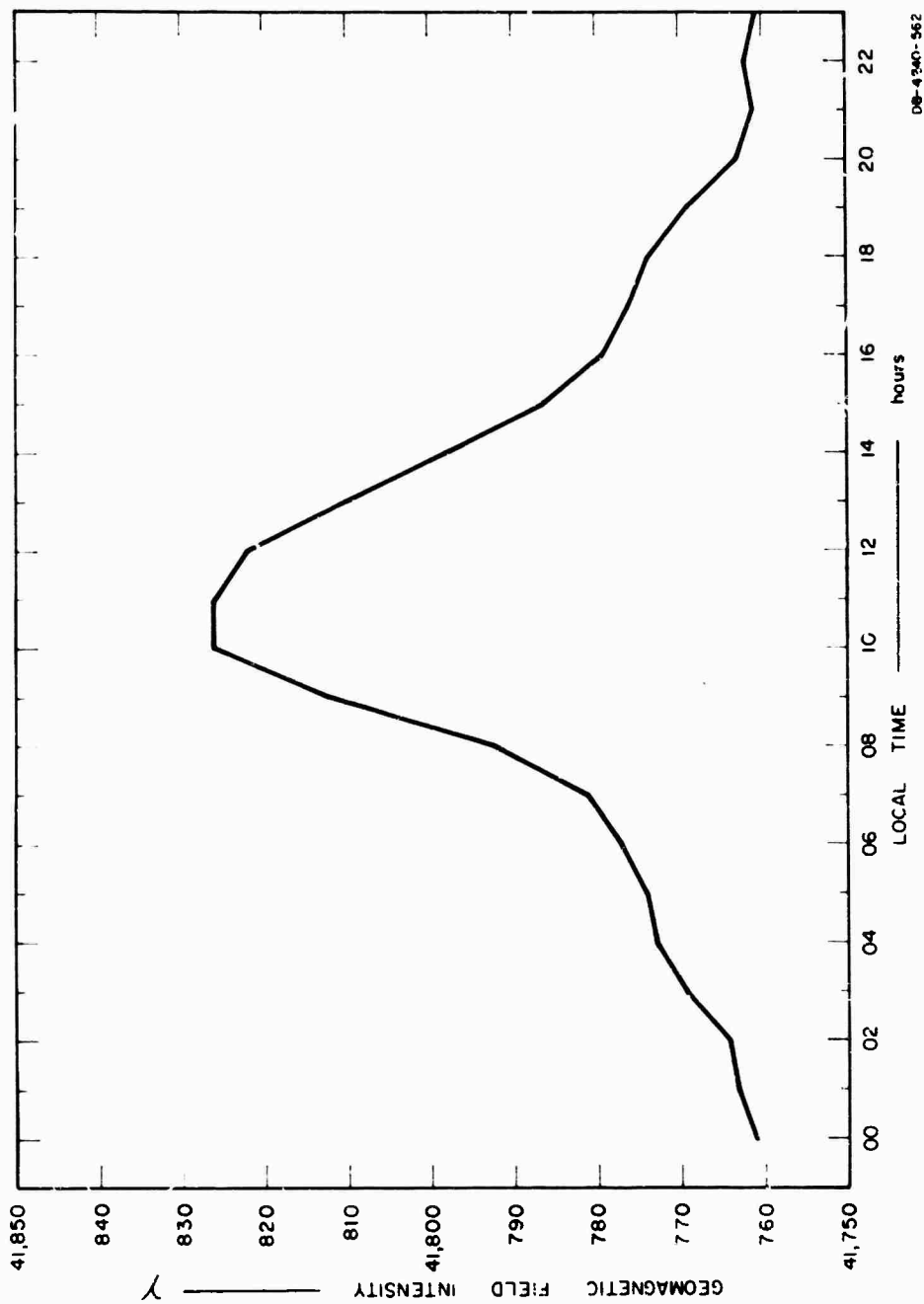
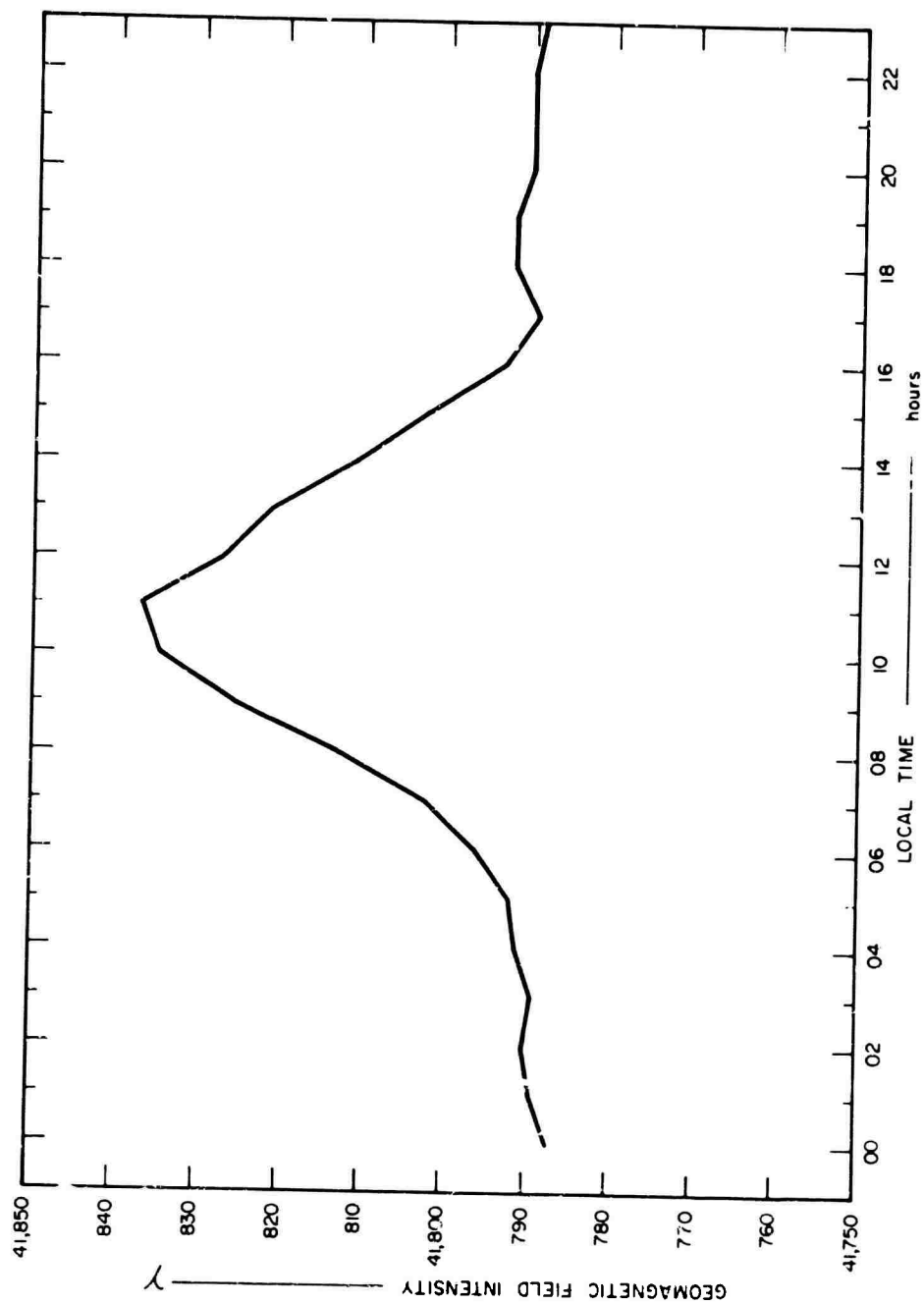


FIG. 1 MONTHLY MEAN TOTAL GEOMAGNETIC FIELD INTENSITY γ AT BANGKOK - APRIL 1966



08-4240-563

FIG 2 MONTHLY MEAN TOTAL GEOMAGNETIC FIELD INTENSITY γ AT BANGKOK - MAY 1966

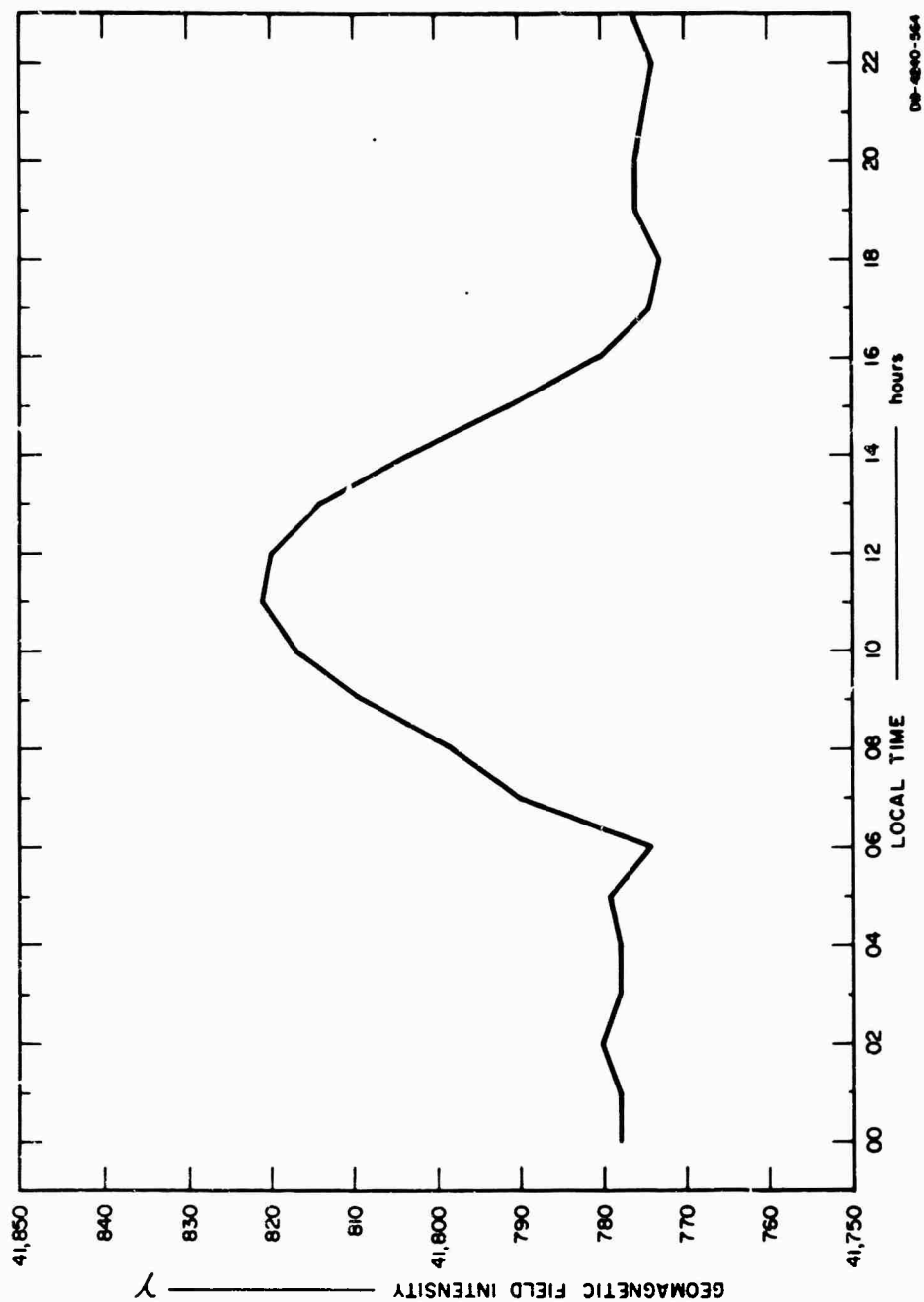


FIG 3 MONTHLY MEAN TOTAL GEOMAGNETIC FIELD INTENSITY (F) AT BANGKOK - JUNE 1966

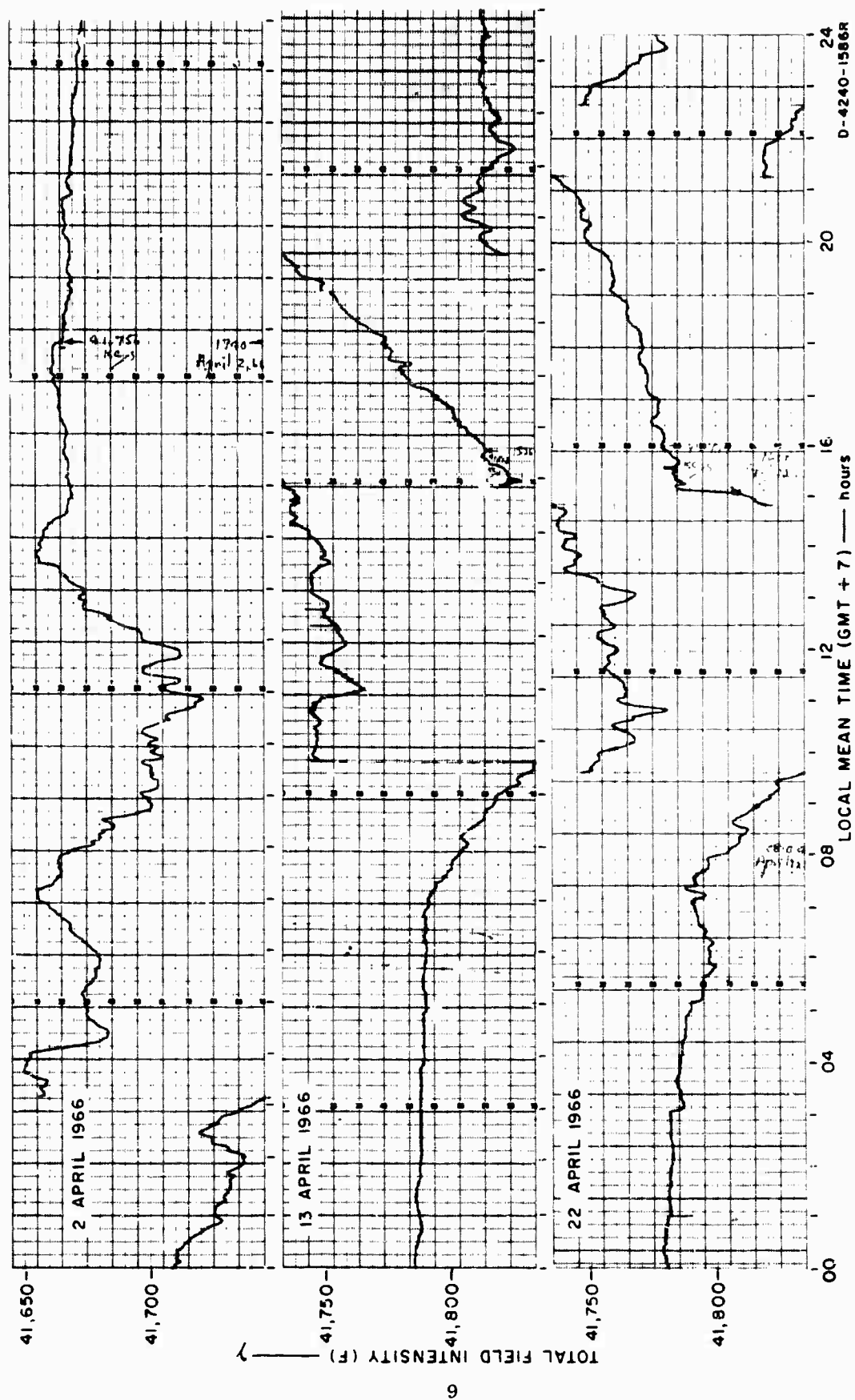


FIG. 4 MAGNETOGRAMS FOR THE THREE MOST DISTURBED DAYS IN APRIL 1966 (2nd, 13th, and 22nd)

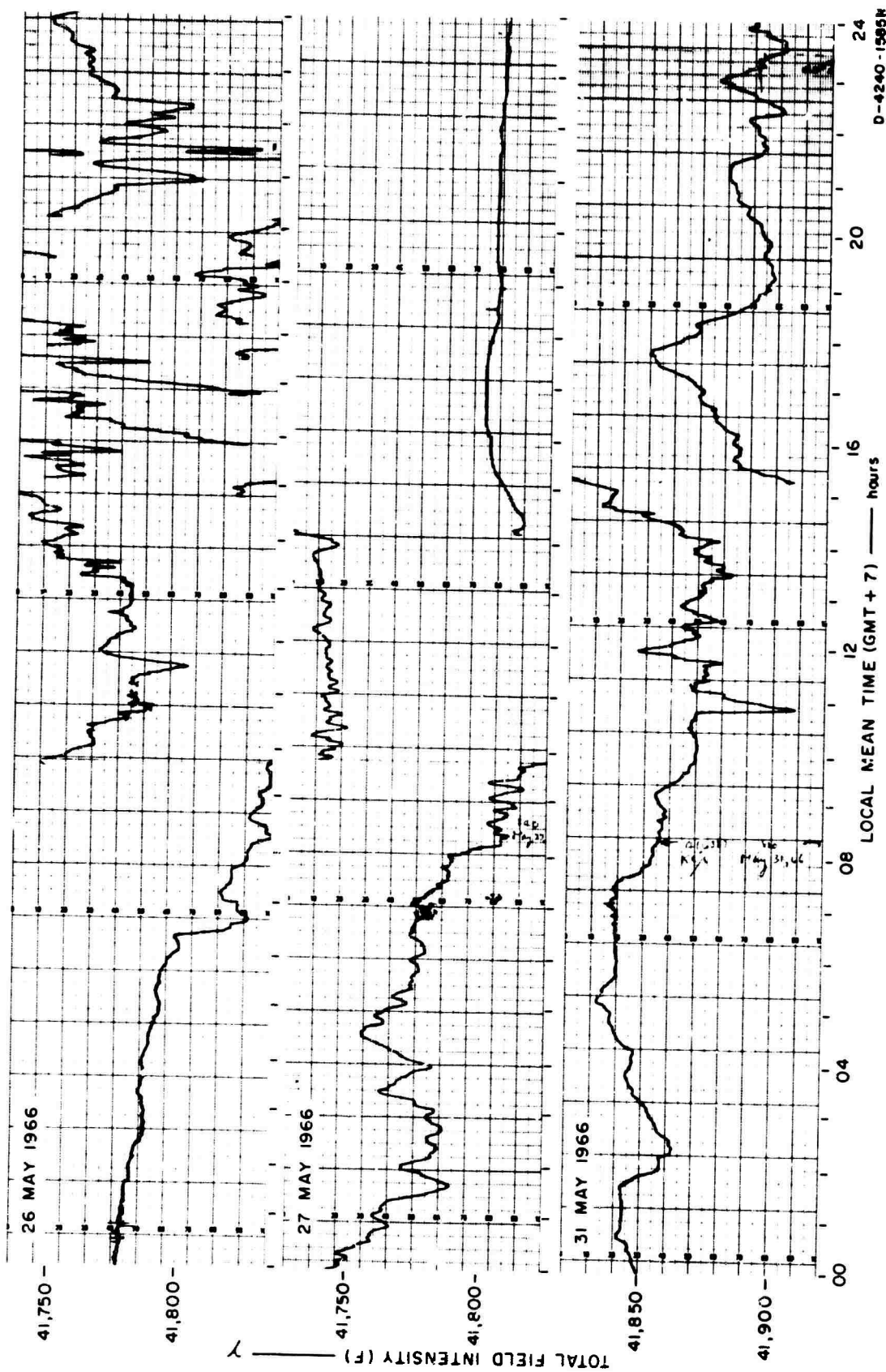


FIG. 5 MAGNETOGRAMS FOR THE THREE MOST DISTURBED DAYS IN MAY 1966 (26th, 27th, and 31st)

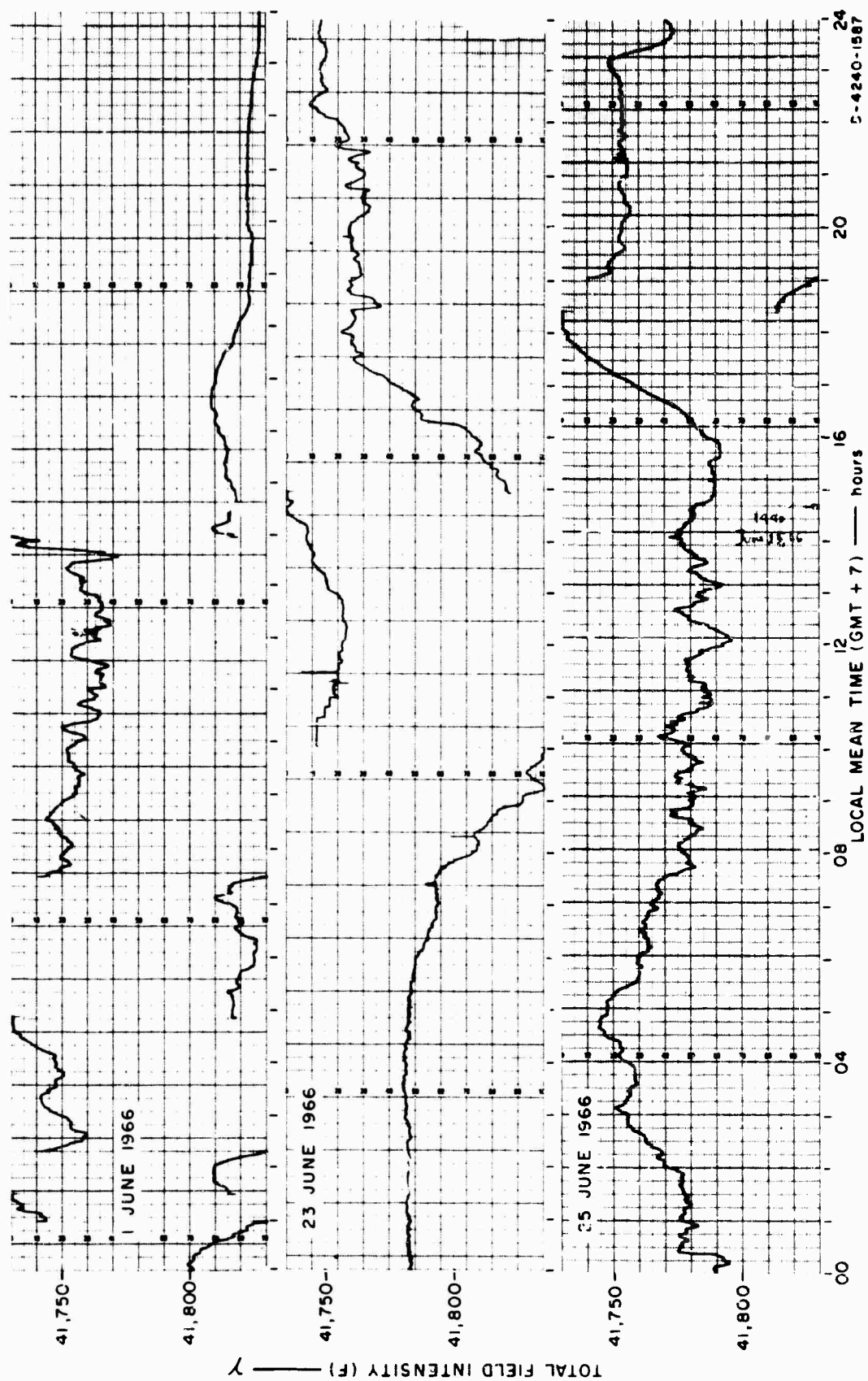


FIG. 6 MAGNETOGRAMS FOR THE THREE MOST DISTURBED DAYS IN JUNE 1966 (1st, 23rd, and 25th)

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| 14 | KEY WORDS | LINK A | | LINK B | | LINK C | |
|----|--------------------------------|--------|----|--------|----|--------|----|
| | | ROLE | WT | ROLE | WT | ROLE | WT |
| | Magnetometer | | | | | | |
| | Total field intensity | | | | | | |
| | Rubidium vapor | | | | | | |
| | Magnetograms on disturbed days | | | | | | |
| | Bangkok, Thailand | | | | | | |